

Overview

The XJLink2 is a small, portable, USB 2.0 to JTAG adapter that provides a high speed interface (480 Mbps) to the JTAG chain.

The small, lightweight design means the XJLink2 can easily be moved to the Unit Under Test (UUT), while a number of advanced features make it easy to connect to a wide range of circuit boards.

Your test system where you want it

The XJLink2 contains the license for your XJTAG system. This allows you to easily move your licenses around on and off site to give you maximum flexibility. This also means you aren't tied to one machine to do your XJTAG testing.

Available in two colours, allowing users to differentiate between units with different licences.



Light & portable

The XJLink2 can work with a laptop PC with a USB port and can supply power to low-power target systems, so testing can be done even without a source of mains power. This is especially useful if testing has to be done in the field or in a very busy lab.

Configurable JTAG interface

Only a simple cable assembly is required to connect to up to 4 TAPs on your target board — no extra adapters needed. The 20-way connector on the XJLink2 is configurable from your test system. The ability to change the pinmap for the JTAG signals simplifies the process of connecting your XJTAG test system to the Unit Under Test.

Advanced connectivity

The XJLink2 has variable signal termination, so it can handle boards both with and without signal termination. The advanced auto-skew control enables you to get the maximum frequency out of your JTAG chain and cable while the configurable voltage levels allow you to connect directly to most TAPs.

Key Benefits

- Small, lightweight, portable design: ideal for lab and field work
- Self-contained licence allowing you to use the XJTAG system on multiple machines
- Re-configurable unit for multiple UUTs saving costs

Features

- Up to 4 TAP connections to UUT
- Handles different cable and board configurations
- USB bus-powered (no external PSU)
- TCK clock frequencies up to 166 MHz
- Two different voltages can be configured, from 1.1 V to 3.3 V in 0.1 V steps
- Button to start test
- Visual indication of test status
- High speed USB 2.0 interface, backwards compatible with USB 1.0 & 1.1
- Adjustable JTAG signal termination
- Spare pins on the JTAG connector can be used in place of the button or to indicate the test status
- Pins can also be used as general purpose I/O during testing, for example for fast Flash programming
- Automatic signal skew control
- Can supply power to the target board (3.3 V, <100 mA)
- Built in voltage meter on all I/O pins
Voltage input: Min 0, Max 5 V
- Frequency counter on all I/O pins
Frequency input: Min 1 Hz, Max 200 MHz
Selectable measurement period of 1 ms, 10ms, 100ms, 1s, 10s
- JTAG signals are +5 V tolerant